

To: OBrien, Wendy[OBrien.Wendy@epa.gov]
Cc: Keteles, Kristen[Keteles.Kristen@epa.gov]
From: Christner, Jan
Sent: Mon 8/10/2015 4:17:18 PM
Subject: RE: Animas response
Concentrations vs TVS.xlsx
Colorado WQS.xlsx
CO - Water Quality Standards.xlsx

Kristen,

See attached table based on Colorado Table Value Standards. This is over a year old so if Colorado has made changes recently, there may be changes. The reference can be found at:

<https://www.colorado.gov/pacific/sites/default/files/Regulation-31.pdf>

My table has the hardness shown at the top and the calculations reference that cell.

If you want the text values for the standards, I am attaching a separate spreadsheet, CO – Water Quality Standards that shows the text you could copy from the various cells. Let me know if you need that in a Word document.

I also have a document I gave Dan Wall that showed the data from last week with the TVS calculated using the hardness for each sample and will attach that also in case it is more helpful.

Jan

From: OBrien, Wendy [mailto:OBrien.Wendy@epa.gov]
Sent: Monday, August 10, 2015 10:00 AM
To: Christner, Jan
Cc: Keteles, Kristen
Subject: RE: Animas response

We have put together a table here for both human and eco (attached). There are a number of eco values that need to be calculated based on water hardness. Is that something you can help with?

Thx.

Wendy O'Brien, DVM, PhD, DABT

Toxicologist, Ecosystems Protection and Remediation

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From: Christner, Jan [<mailto:Jan.Christner@WestonSolutions.com>]

Sent: Monday, August 10, 2015 9:53 AM

To: OBrien, Wendy

Cc: Keteles, Kristen

Subject: RE: Animas response

Kristen,

We are compiling these into a table for lab procurement and SAP purposes. Would that be more helpful?

Jan

From: OBrien, Wendy [<mailto:OBrien.Wendy@epa.gov>]
Sent: Monday, August 10, 2015 9:19 AM
To: Christner, Jan
Cc: Keteles, Kristen
Subject: Animas response

Hi Jan,

I'm working with Marty and many others here on the Animas response. I understand you were involved in looking at the historical values early in the response. We need to know the average values of historical surface water data for the complete analyte list, both total and dissolved. Can you get us those values ASAP?

Also, can you please share with Kristen the eco values you have been working on for Dan Wall?

Thanks.

Wendy O'Brien, DVM, PhD, DABT
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